

AMENDMENTS TO THE SPECIFICATION:

Please replace the paragraph starting on page 7, line 14, with the following rewritten paragraph:

Figures 4A, 4B and 4C show a membrane 410, a catheter tube 420, and a subassembly 430 comprising membrane 410 and tube 420. Membrane 410 can be attached to catheter tube 420 by inserting distal tip 418 of membrane 410 into distal opening 421 of tube 420, until deployable sections 414 and 416 of membrane of 410 are inside hollow 424 of tube 420. Next, a leading edge 412, at a first end, of membrane 410 is snapped into a position ring 422 located on the outer surface of catheter tube 420, as shown in Figure 4C. Positioning ring 422 can be machined or molded depending on the manufacturing process. Other chemical and/or physical means of attaching membrane 410 to tube 420 can also be used, e.g., adhesive, heat bonding, ultrasonic welding, chemical bonding or heat staking.

Please replace the paragraph starting on page 18, line 13, with the following rewritten paragraph:

In another embodiment as shown in Figures 14A through 14E, instead of controlled herniation at the furthestmost point of deployment, membrane 1410 herniates substantially continuously and uniformly along the tract during deployment by tapering toward the opening in the tube. This embodiment may be useful in animals with relatively complex reproductive tracts, such as ewes, where the cervical tract comprises many potential traps for membrane 1410. By herniating and expanding continually to a controlled diameter, membrane 1410 fills the cervical tract and these traps can be gently pressed aside and rendering a relatively smooth pathway for the incoming genetic material.